ES. CONTROL
GOING LTR NO.

91 RF 8561

DIST.	LTR	ENC
AMIN, A.		
AN, H.S.		
ZKE, J.C.		
INGAME, A.H.		
, R.D.		
JCHER, D.W.		
S, J.G.		
IED, J.E.	X	
IERA, D.W.		
CIS, G.E.	X	
DWIN, R.		
NI, B.J.		
AAN, L.K.		
Y, T.J.		
ER, E.H.		
, J.P.		
SH, J.M.	X	
Y, W.A.		
STER, A.W.		
G.D.		
E.M.	X	
ESTIC, J.R.		
X, G.E.		
RRENS, B.E.		
GAN, R.V.	X	
TER, G.L.	X	
UTO, V.M.		
EIL, B.F.		
LIN, N.B.		
PLER, L.B.		
NSON, E.R.		
BE, J.S.		
INSON, R.B.	X	
SON, J.M.		
NG, E.R.		
E, J.O.		
hoff, F.H.		
Dages, JL	X	
son, EA	X	
JP	X	
CB	X	
PS	X	
JM Tracking	X	
RES CONTROL	x	x
FFIC		

LASSIFICATION:

UNI	
CLASSIFIED	X
NFIDENTIAL	
CRET	

HORIZED CLASSIFIER SIGNATURE

TE

REPLY TO LTR NO.

R APPROVALS:

IG & TYPIST INITIALS
CBG/dmf

-46469 (Rev. 10/91)

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

November 27, 1991

91-RF-8561

000028680

Robert M. Nelson, Jr.
Manager
DOE, RFO

Attn: F. R. Lockhart

DETAILS OF THE OU 1 REMEDIAL INVESTIGATION (RI) IMPLEMENTATION - JMK-0918-91

By December 3, 1991, EG&G intends to begin the pumping and tracer tests called for in the Operable Unit No. 1 (OU 1) Phase III Work Plan. This work must begin by December 3rd to meet the Interagency Agreement (IAG) schedule.

The tracer test involves field testing of dyes to determine the most effective dye, and then use of this dye in the ground to measure actual field conditions relative to hydrology, permeability and geology. EG&G Rocky Flats (EG&G) has estimates on the mass of tracers that may be required. For potassium bromide (KBr), we expect to use approximately 2.5 kg if tests can be conducted at three sites, or approximately 1 kg or less per test site. For the rhodamine dye, we expect 100 g to be sufficient for three test sites, or approximately 33 g or less per site. Actual amounts and tracer solution concentrations will be determined based on pre-test modeling after field parameters are established via the pilot borehole and the pumping test.

The placement of the pumping and tracer tests is being reevaluated. Based on knowledge gained over the last few months through the implementation of the Phase III RI field work, efforts are being made to optimize the locale for these tests to ensure that the goals of the tests are met. The original sites delineated in the Work Plan have proven to have insufficient groundwater to support a pumping test of any scale. The new sites will be selected based on current interpretations of maximum groundwater resources on the 881 Hillside.

DOE should relay this information to the EPA and CDH as soon as possible, as this level of detail was not available at the time of the Work Plan development, but can now be conveyed to the agencies.

Please transmit any comments or questions on this work to C. B. Gee of the Remediation Programs Division at extension 5910.

J. M. Kersh, Associate General Manager
Environmental and Waste Management

CBG:dmf

Orig. and 1 cc - R. M. Nelson, Jr.

ADMIN RECORD

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